

ABSTRACT

A method and device for detecting a line-of-sight of a subject and a three-dimensional view-point measurement device are provided. The method for detecting a line-of-sight uses a first camera 10, 11 that measure the position of a pupil relative to a coordinate system, a second camera 12 having a light source arranged at a known position in the coordinate system and forming a corneal reflection center to obtain data of a size of vector r from the corneal reflection center to the pupil center and an angle ϕ of the vector r relative to a coordinate axis of the coordinate system, and a calculation means for calculating a line-of-sight direction based on information from each of the cameras. In a stage of determining a relational formula, a subject is made to gaze at a known point to perform measurement and a relational formula is determined. In a stage of determining a line-of-sight, the subject is measured again to determine the line-of-sight using the relational formula. Further, a three-dimensional view-point measurement device can be configured so as to simultaneously measure the line-of-sights of both eyes with two cameras and two light sources.